

INTERCONNECTION and OPERATING AGREEMENT

between

(the generating customer)

and

ATCO ELECTRIC LTD. ("ATCO Electric")

This agreement provides for the safe and orderly operation of the electrical facilities interconnecting **the generating customer's** facility at **land location or description of project** and the electrical Distribution system owned by ATCO Electric.

This Agreement does not supersede any requirements outlined in Government Statutes and Regulations such as (but not limited to) the Alberta Electric and Communication Utility Code, the Canadian Electrical Code, the Alberta Occupational Health and Safety Act, and the Alberta Hydro and Electric Energy Act; nor does it supersede any terms of the Commercial Agreement between **the generating customer** and ATCO Electric.

- 1. Intent of Parties:** It is the intent of **the generating customer** to...
- generate for sale to the Power Pool of Alberta up to the maximum available power, and to dispatch the amount of power produced at their discretion; or
 - self-supply with no sale to the Power Pool; or

It is the intent of ATCO Electric to operate the Distribution Facility to maintain a high level of service to their customers and to maintain a high level of power quality.

It is the intent of both parties to operate the facilities in a way that ensures the safety of the public and their employees.

- 2. Operator:** The Electrical and Communication Utility Code in Alberta defines the Operator of a utility system as "the Owner of the utility, and may include a person designated by the Owner to make policy decisions affecting the utility." The operator shall ensure that timely updates are made to this document to reflect any changes to disconnect devices and single line diagrams referenced in this document. The operator for the generating customer and for ATCO Electric shall ensure that the operators in charge of the respective facilities are competent in the operation of the electrical systems. The Operator shall also make sure that the operators in charge are aware of the provisions of any operating agreements and regulations relating to the safe operation of electrical power systems.

The operator for **the generating customer** is **name or title of operating authority, along with address and phone numbers**.

The operator for ATCO Electric is **Howard Werden, Manager of Distribution Operations and Maintenance, 1006 - 15 Ave. Nisku, AB T9E 7S5; phone 780-955-6231**.

- 3. Operator in Charge:** The operator in charge is the person identified by name or job title responsible for the real time operation of all electrical facilities related to the interconnection and owned by their organization.

The operator in charge for **the generating customer** is **name or title of operator in charge, along with address and phone numbers**.

The operator in charge for ATCO Electric is **Senior Serviceman, (service area) (name) address, 1-800-668-5506 (ask for (service area) Operator in Charge)**.

- 4. Description:** **The generating customer's** facilities consist of **quantity, size, type, connection of generator, transformer or other equipment size, voltage, configuration and other line or switches voltage**.

length connected to the Distribution Facility **through the main bus at the facility**. **The Generating customer** owns and is responsible for the maintenance and operation of all facilities on the generator side of the point of interconnection.

ATCO Electric's facilities consist of 25 kV line **line number**; a **transformer size, connection, voltages transformer**, and **other line or equipment voltage, length**. ATCO Electric owns and is responsible for the operation of all facilities on the line side of the point of interconnection.

The Point of Interconnection is designated as **description of Point of Interconnection**. A single line diagram is attached.

The **breaker, switch etc.; switch number** will be used as the main disconnect point for the facility, and is owned and solely operated by **the generating customer / or ATCO Electric**. This switch **does/does not** have load-break capability and therefore **can/cannot** be operated while the Generating Facility is producing or consuming power.

The facility is designed to operate only when interconnected to the grid, with synchronizing facilities provided on generating customer-owned breaker **breaker number**. In the absence of outstanding clearances between the operators in charge, notice is not required to be given to the Wires Owner prior to synchronization taking place. **The generating customer** recognizes that there are no synchronization schemes in place on ATCO Electric's facilities, and that the upstream Distribution System contains automatic equipment that will provide for voltage regulation and for automatic re-closing under some conditions.

(for synchronous generators) The generator is capable of controlling either voltage or power factor, and is normally set to control **voltage / or power factor** to **setting, tolerance** at the generator terminals.

5. Suspension of Interconnection: It is intended that the interconnection should not compromise ATCO Electric's protection or operational requirements. The operation of **the generating customer's** system and the quality of electric energy supplied by **the generating customer** shall meet the standards as specified. If the operation of **the generating customer's** system or quality of electric energy supplied does not meet the standards as specified, then ATCO Electric will notify **the generating customer** to take reasonable and expeditious corrective action. ATCO Electric shall have the right to disconnect **the generating customer's** System, until compliance is reasonably demonstrated. Notwithstanding, ATCO Electric may in its sole discretion disconnect **the generating customer's** generating plant from the Distribution Facility without notice if the operating of the Generating Plant may be or may become dangerous to life and property.

6. Safe Work Planning: Safe work planning procedures such as pre-job plans and tailboard conference procedures, will be followed where both parties are involved in work. Nothing in this document should be interpreted as to change the intent of ATCO Electric's safe practices manual or safe operating procedures. Any contradictions are to be identified and resolved prior to work commencing.

Safe work routines described in Division D of the Alberta Electrical and Communication Utility Code will be followed in providing isolation for work on any part of the interconnected system.

7. Maintenance Outages: Maintenance outages will occasionally be required on ATCO Electric's system and on **the generating customer's** system. Both parties will provide as much notice and planning as possible to minimize downtime. It is noted that in some emergency cases such notice may not be possible. Outages will be coordinated by the Operator in Charge for each of the parties. Unless provided for in a separate commercial agreement, compensation will not be made for unavailability of facilities due to outages.

8. Access: Access is required by ATCO Electric to **the generating customer's** plant site for maintenance, operating and meter reading. ATCO Electric reserves the right, but not the obligation, to inspect **the generating customer's** facilities, and **the generating customer** reserves the right, but not the obligation, to inspect ATCO Electric's facilities. Access or inspections will be arranged between ATCO Electric's Operator in Charge and **the generating customer's** Operator In Charge.

9. Revision and Approval: This agreement does not expire. The agreement will be rewritten upon notice from either Operator that significant changes have or will occur at the facility, and will be cancelled upon notice that the facilities will cease to operate.

10. APPROVED by:

ATCO Electric Operating Authority

The generating customer Operating Authority

Date

Date